

1-11. (CANCELED)

12. (NEW) A planetary transmission (1) having one sun gear (3) actuatable by an input shaft (2), one ring gear (15) connected with a housing (14), one group of planetary gears (22) and one group of step planets (4) with large and small step gears (5, 6)

wherein said planetary gears (22) and said step planets (4) are supported in a common planet carrier and engaged both with each other the same as with said sun gear (3) and said ring gear (15), said planet carrier has one output flange supported opposite said housing (14) via one cross roller bearing (12) with preferably split inner rings (13, 13a, 13b) and designed in at least two parts (8, 9).

13. (NEW) The planetary transmission according to claim 12, wherein said planet carrier has at least one partition line (10) extending in a radial plane.

14. (NEW) The planetary transmission according to claim 13, wherein said partition line (10) is situated in an area of an axial extension of one of said inner ring (13) or said split inner ring (13a, 13b).

15. (NEW) The planetary transmission according to claim 12, wherein said planet carrier is composed of one first and one second part (8, 9) which are centered and axially braced relative to each other.

16. (NEW) The planetary transmission according to claim 15, wherein said parts (8, 9) are braced with each other via screw bolts (11).

17. (NEW) The planetary transmission according to claim 15, wherein said parts (8, 9) are centered via fitting sleeves (32).

18. (NEW) The planetary transmission according to claim 17, wherein said fitting sleeves (32) are inserted in bearing holes for the step planets (4, 7).

19. (NEW) The planetary transmission according to claim 15, wherein said first part (8) has a first shoulder (17) and said second part (9) has a second shoulder (16), respectively, for supporting said inner ring (13) and said split inner ring (13a, 13b) and for axial fixing of said cross roller bearing (12).

20. (NEW) The planetary transmission according to claim 15, wherein said first and second part (8, 9) form in the area of said partition line (10) a common bearing seat (8a, 9a) for one of said inner ring (13) or said split inner ring (13a, 13b).

21. (NEW) The planetary transmission according to claim 15, wherein only one of said first part and second part (8, 9) has a bearing seat respectively for said inner ring (13) and said split inner ring (13a, 13b).

22. (NEW) The planetary transmission according to claim 15, wherein said first part (8) is designed as carrier of said planetary gears (22) by means of planetary bolts (23) and said second part (9) is designed as output part with one output flange (28).